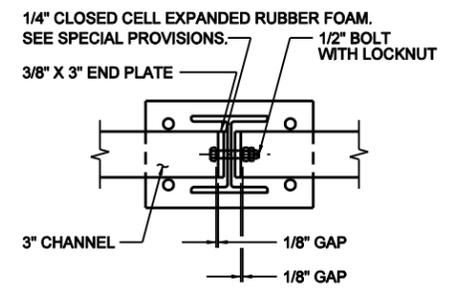
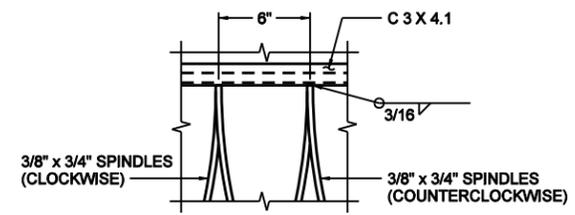


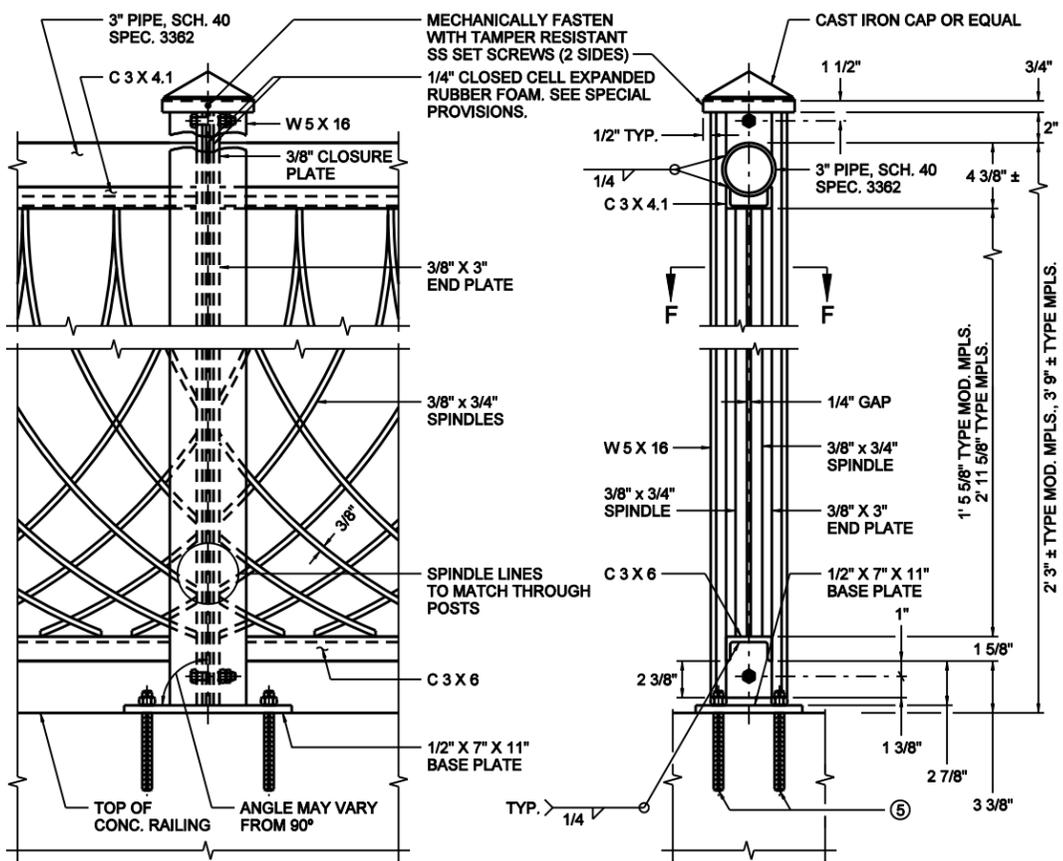
OUTSIDE ELEVATION



SECTION F-F



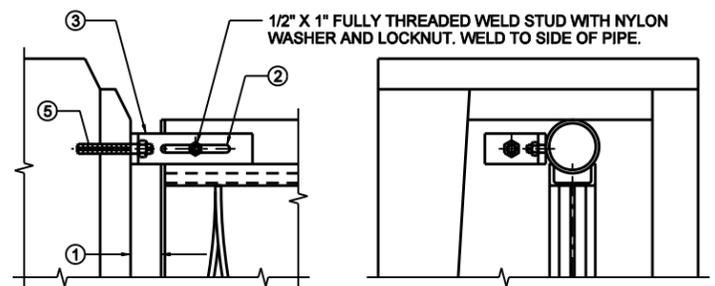
DETAIL 'A'



ELEVATION

TYPICAL SECTION

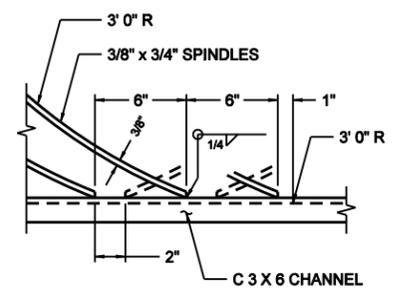
DETAIL 'E'
(TYPICAL RAILPOST)



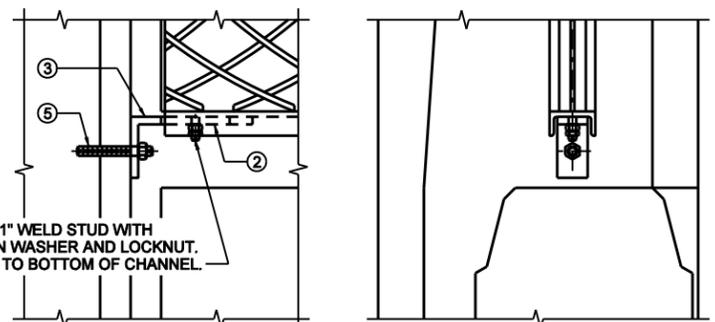
ELEVATION

END VIEW

DETAIL 'C'



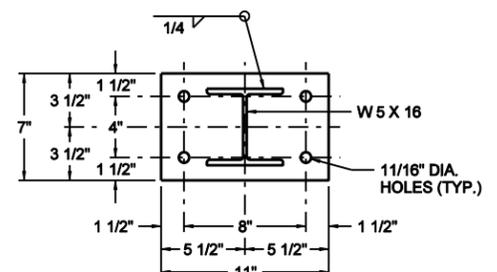
DETAIL 'B'



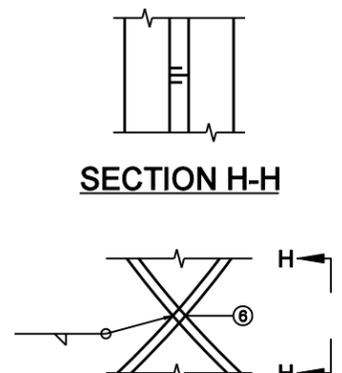
ELEVATION

END VIEW

DETAIL 'D'



BASE PLATE PLAN



SECTION H-H

DETAIL 'G'

- NOTES:**
- ALL POSTS TO BE VERTICAL.
 - 3/8" X 3" END PLATES TO BE VERTICAL.
 - ALL STEEL SHALL COMPLY WITH SPEC. 3306 UNLESS NOTED.
 - MECHANICALLY GALVANIZE BOLTS, NUTS AND WASHERS PER ASTM B695, CLASS 50.
 - LENGTH OF "ORNAMENTAL METAL RAILING, TYPE (MODIFIED) MPLS. AND "ORNAMENTAL METAL RAILING, TYPE MPLS." FOR PAYMENT WILL BE MEASURED FROM FACE TO FACE OF CONCRETE POSTS WITH NO DEDUCTION FOR OPEN JOINTS.
 - PRICE BID FOR "ORNAMENTAL METAL RAILING, TYPE (MODIFIED) MPLS. AND "ORNAMENTAL METAL RAILING, TYPE MPLS." INCLUDES ALL STEEL SHOWN ON THIS SHEET INCLUDING ANCHORAGES.
 - FOR PAINTING SEE SPECIAL PROVISIONS.
 - WEIGHT OF "ORNAMENTAL METAL RAILING, TYPE MPLS." IS APPROXIMATELY 45LBS./FT.
- ① 2" AT EXPANSION JOINT AND HINGE SIDE AT PIER 1 & 3. 1/2" AT ALL OTHER LOCATIONS.
 - ② 4 1/2" LONG SLOTTED HOLE AT EXPANSION JOINT AND HINGE SIDE AT PIER 1 & 3. 2" LONG SLOTTED HOLE AT ALL OTHER LOCATIONS.
 - ③ L 4 X 8 X 1/2 X 2" WIDE AT EXPANSION JOINT AND HINGE SIDE AT PIER 1 & 3. L 6 X 3 1/2 X 1/2 X 2" WIDE AT ALL OTHER LOCATIONS. BEND HORIZONTAL LEG TO MATCH GRADE AT CONCRETE POST.
 - ④ DISTANCE BETWEEN STEEL POSTS SHALL BE IN 6" INCREMENTS.
 - ⑤ 5/8" THREADED ROD WITH CHEMICAL ANCHOR AND 10,000 LB. ULTIMATE PULLOUT STRENGTH. SEE SPECIAL PROVISIONS.
 - ⑥ WELD 1/4" THICK X 3/8" DIA. SPACER AT ONE INTERSECTION PER BAR AT LOCATION SHOWN.

MINNEAPOLIS
DEPARTMENT OF PUBLIC WORKS

DRAWN: JFC	DATE: 2/21/12
APPROVED: JSY	DATE: 3/8/12

ORNAMENTAL METAL RAILING
TYPE MPLS / MODIFIED MPLS

STANDARD
PLATE
NO.
BRDG-1000